

**In the Claims:**

Please amend the claims as follows:

1. (Original) A polyolefin graft copolymer produced, in the presence of a coordination polymerization catalyst, by copolymerizing an olefin monomer and a macromonomer having a multilayer structure in an aqueous system.

2 (Original) The polyolefin graft copolymer according to Claim 1, wherein the macromonomer having the multilayer structure is a macromonomer having a two-layered structure including 10% to 95% by weight of a layer composed of a rubber-like polymer and 5% to 90% by weight of a layer composed of a hard polymer.

3. (Currently amended) The polyolefin graft copolymer according to either Claim 1 ~~[[or 2]]~~, wherein the macromonomer having the multilayer structure is produced by emulsion polymerization using a redox initiator.

4. (Currently amended) The polyolefin graft copolymer according to ~~any one of Claims 1 to 3~~ Claim 1, wherein the coordination polymerization catalyst is a complex containing a ligand having two imine nitrogen atoms and a late transition metal selected from Groups 8 to 10 in the periodic table.

5. (Currently amended) The polyolefin graft copolymer according to ~~any one of Claims 1 to 4~~ Claim 1, wherein the olefin monomer is an  $\alpha$ -olefin.

6. (Currently amended) A method for producing the polyolefin graft copolymer according to ~~any one of Claims 1 to 5~~ Claim 1, the method comprising allowing a macromonomer having a multilayer structure, an olefin monomer, and a coordination polymerization catalyst to react with each other in an aqueous system.

7. (Currently amended) A thermoplastic resin composition containing the polyolefin graft copolymer according to ~~any one of Claims 1 to 6~~ Claim 1.

8. (Original) The thermoplastic resin composition according to Claim 7, wherein the composition contains a polyolefin resin as a component.

9. (New) The polyolefin graft copolymer according to Claim 2, wherein the macromonomer having the multilayer structure is produced by emulsion polymerization using a redox initiator.

10. (New) The polyolefin graft copolymer according to Claim 2, wherein the coordination polymerization catalyst is a complex containing a ligand having two imine nitrogen atoms and a late transition metal selected from Groups 8 to 10 in the periodic table.

11. (New) The polyolefin graft copolymer according to Claim 3, wherein the coordination polymerization catalyst is a complex containing a ligand having two imine nitrogen atoms and a late transition metal selected from Groups 8 to 10 in the periodic table.

12. (New) The polyolefin graft copolymer according to Claim 9, wherein the coordination polymerization catalyst is a complex containing a ligand having two imine nitrogen atoms and a late transition metal selected from Groups 8 to 10 in the periodic table.